

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A femoral insert for implantation into an intramedullary canal of a femur, comprising:

a member extending generally along a longitudinal axis having a lateral surface and a spaced and opposed medial surface;

~~wherein a proximal portion of the member is substantially straight to a middle portion of the member and defines said longitudinal axis;~~

a proximal portion of said member extending between a first end and a second end, wherein the proximal portion is straight between the first end and the second end;

wherein a distal portion of the member defines an arc that includes the lateral surface of the member having a first radius and the medial surface of the member having a second radius;

wherein the lateral surface is adapted to engage at least a portion of a lateral surface of the intramedullary canal and the medial surface is adapted to engage at least a portion of a medial surface of the intramedullary canal; and

wherein the first radius of the lateral surface of the member is equal to or substantially equal to the second radius of the medial surface of the member.

2. (Currently Amended) The ~~invention~~ femoral insert according to Claim 1, wherein the member is comprised of a biocompatible material.

3. (Currently Amended) The ~~invention~~ femoral insert according to Claim 1, wherein the member further includes a proximal portion and a distal portion.

4. (Currently Amended) The ~~invention~~ femoral insert according to Claim 3, wherein the lateral and medial radii surfaces of the member extend along the proximal and distal portions.

5. (Currently Amended) The ~~invention~~ femoral insert according to Claim 3, wherein the radii of the lateral and medial surfaces of the member substantially converge along the distal portion so as to form a substantially arcuate configuration tangential to the proximal portion.

6. (Currently Amended) The ~~invention~~ femoral insert according to Claim 3, wherein the insert tapers from the proximal to distal section in the anterior/posterior plane.

7. – 13. (Cancelled)

14. (Currently Amended) The ~~invention~~ femoral insert according to Claim 1, wherein the member is a stem portion of the femoral insert.

15. (Currently Amended) The ~~invention~~ femoral insert according to Claim 12, further comprising a trunnion portion adjacent to and contiguous with the stem portion.

16. (Cancelled)

17. (Currently Amended) A femoral insert for implantation into an intramedullary canal of a femur, comprising:

a member having a proximal portion and a distal portion;

~~wherein said proximal portion is substantially straight;~~

a proximal portion of said member extending between a first end and a second end, wherein the proximal portion is straight between the first end and the second end;

~~wherein the member has a lateral surface and a spaced and opposed medial surface extending along the proximal and distal portions~~ is defined by the member;

wherein the lateral surface of the member has a first radius and the medial surface of the member has a second radius;

wherein the lateral surface is adapted to engage at least a portion of a lateral surface of the intramedullary canal and the medial surface is adapted to engage at least a portion of a medial surface of the intramedullary canal spaced a distance from the portion engaged by the lateral surface;

wherein the first radius of the lateral surface of the member is substantially equal to the second radius of the medial surface of the member; ~~and~~

wherein the radii of the lateral surface and the medial surface substantially converge along the distal portion so as to form a substantially arcuate configuration tangential to the proximal portion; and

wherein the distal portion of the member curves towards the medial surface of the intramedullary canal.

18. (Currently Amended) The ~~invention~~ femoral insert according to Claim 17, wherein the member is comprised of a biocompatible material.

19. – 24. (Cancelled)

25. (Currently Amended) The ~~invention~~ femoral insert according to Claim 17, wherein the member is a stem portion of the femoral insert.

26. (Currently Amended) The ~~invention~~ femoral insert according to Claim 25, further comprising a trunnion portion adjacent to and contiguous with the stem portion.

27. – 31. (Cancelled)

32. (New) A prosthesis to be positioned in a portion of an anatomy to engage an edge portion of an intramedullary canal of a bone in an anatomy and substantially resist subsidence of the prosthesis in the bone, comprising:

a femoral prosthesis extending generally along a longitudinal axis having a lateral surface and a spaced and opposed medial surface;

a distal portion of the femoral prosthesis defines an arc that includes the lateral surface of the femoral prosthesis having a first radius and the medial surface of the femoral prosthesis having a second radius;

wherein the lateral surface is adapted to engage at least a portion of a lateral surface of the intramedullary canal and the medial surface is adapted to engage at least a portion of a medial surface of the intramedullary canal a distance from the portion of the intramedullary canal engaged by the lateral surface.

33. (New) The femoral insert according to Claim 32, wherein the lateral and medial radii surfaces of the femoral prosthesis extend along the proximal and distal portions.

34. (New) The femoral insert according to Claim 32, wherein the radii of the lateral and medial surfaces of the femoral prosthesis substantially converge along the distal portion so as to form a substantially arcuate configuration tangential to the proximal portion.

35. (New) The femoral insert according to Claim 32, wherein the proximal portion tapers from the proximal towards the distal portion in the anterior/posterior plane.

36. (New) The femoral insert according to Claim 32, wherein the proximal portion tapers from the proximal towards the distal portion in the medial/lateral plane.

37. (New) The femoral insert according to Claim 32, further comprising:

a trunnion portion formed as a single piece with the femoral prosthesis.

38. (New) The femoral insert according to Claim 37 wherein the trunnion is operable to extend into an area defined by a neck of a femur